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	Application No.	Applicant(s)
Notice of Allowability	10/059,426	KOGA ET AL.
	Examiner	Art Unit	
	Chanda L. Harris	3714	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *correspondence filed on 9/22/04*.

2. ☒ The allowed claim(s) is/are *1-9*.

3. ☒ The drawings filed on *31 January 2002* are accepted by the Examiner.

4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All   b)☐ Some*   c)☐ None   of the:

        1. ☐ Certified copies of the priority documents have been received.

        2. ☐ Certified copies of the priority documents have been received in Application No. _____ .

        3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

    * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

    (a)☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached

        1) ☐ hereto or 2)☐ to Paper No./Mail Date _____ .

    (b)☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of

        Paper No./Mail Date _____ .

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)

2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)

3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date *4/22/05*

4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application (PTO-152)

6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____ .

7. ☒ Examiner's Amendment/Comment

8. ☐ Examiner's Statement of Reasons for Allowance

9. ☐ Other _____ .

Chanda L. Harris
Primary Examiner
Art Unit: 3714

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Fred Bailey on 4/22/05.

The application has been amended as follows:

- Claim 1, line 12: Replace "learner" with -- user --.

- Claim 1, line 15: Replace "the each of" with -- each of --.

- Claim 3, line 3: Replace "monitoring status display means" with -- a monitoring status display means--.

- Claim 3, line 10: Replace "comprises learning status" with -- comprising a learning status --.

- Claim 6:

  -- A resource access privilege management server for collaborative learning between a learning management server and a plurality of clients via a network, said server comprising:

  an activity model data representative of a set of links including a plurality of combinations of roles and behaviors performed between the roles;

  a table storing an information on correspondence among user IDs

assigned to ~~each~~ users using the clients, role name_s_, and resource identifiers

respectively assigned to ~~each of~~ resources managed by the server;

an operation table storing an information on a relationship between ~~the request~~ a

request from a client for operating resources sent to the server and names of the

behaviors performed by ~~the~~ user_s_ for the resources;

a first converting means for converting the request from the client into the names

of the behaviors;

a second converting means for converting ~~the~~ user IDs sent from the clients into

the role names, and further converting the resource identifiers into the role names;

and

a resource access privilege determining means for determining a privilege for

accessing the resources according to the request for operating if the activity model data

includes a combination of the behavior name_s_ corresponding to the request for

operating from the client, the role name corresponding to ~~the~~ a user ID sent from the

client and a resources identifier included in the request for operating. --

• Claim 7:

-- A resource access privilege management method for collaborative learning between

a learning management server and a plurality of clients via a network, the method

comprising steps of:

preparing 1) an activity model data representative of a set of links including a

plurality of combinations of roles and behaviors performed between the roles, 2) a table

storing an information on correspondence among user IDs assigned to each user using

the clients, role names, resource identifiers respectively assigned to~~ each of~~ resources

managed by the server and 3) an operation table storing an information on a

relationship between ~~the request~~ a request from a client for operating resources sent to

the server and names of the behaviors performed by ~~the~~ users for the resources;

converting the request from the client into the names of the behaviors;

further converting ~~the~~ user IDs sent from the clients into the role names, and

further converting the resource identifiers into the role names; and

determining a privilege for accessing the resources according to the request for

operating if the activity model data includes a combination of the behavior names

corresponding to the request for operating sent from the client, the role name

corresponding to ~~the~~ a user ID sent from the client and ~~the~~ a resource identifier included

in the request for operating. --

- Claim 8:

-- A computer-readable medium containing a computer executable program to be

~~embodied~~ executed on a resource access privilege management server for

collaborative learning between a learning management server and a plurality of

client via network, the program comprising the steps of:

preparing 1) an activity model data representative of a set of links including a

plurality of combinations of roles and behaviors performed between the roles, 2) a

table storing an information on correspondence among user IDs assigned to each

user using the clients, role names, and resource identifiers respectively assigned to

~~each of~~ resources managed by the server and 3) an operation table storing an

information on a relationship between the request a request from a client for

operating resources sent to the server and names of the behaviors performed by the

users for the resources;

converting the request from the client into the names of the behaviors;

further converting the user IDs sent from the clients into the role names, and

further converting the resource identifiers into the role names; and

determining a privilege for accessing the resources according to the request for

operating if the activity model data includes a combination of the behavior names

corresponding to the request for operating sent from the client, the role name

corresponding to the a user ID sent from the client and the a resource identifier

included in the request for operating. --

- Claim 9, lines 3-4: Replace "link" with -- the links --.

These amendments were made to overcome lack of antecedent basis issues, minor

informalities, and to place the claims within the statutory classes of invention.

Reasons for Allowance

The following is an examiner's statement of reasons for allowance: The prior art does

not teach or fairly suggest a learning management server comprising activity model data

representative of a set of links including a plurality of combinations of roles and

behaviors performed between the roles, a role table storing a correspondence of each

user ID and resource relative to each role, and an operation interpretation table to be

used for converting the request into behavior descriptive data indicating behavior for the

resource performed by the client (Claim 1 and similar language in independent Claims

6,7, and 8).

Any comments considered necessary by applicant must be submitted no later

than the payment of the issue fee and, to avoid processing delays, should preferably

accompany the issue fee. Such submissions should be clearly labeled "Comments on

Statement of Reasons for Allowance."

Citation of Pertinent Prior Art

The prior art made of record and not relied upon is considered pertinent to applicant's
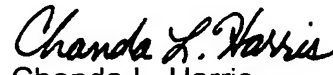
disclosure.

- Bhaskaran et al. (US 6,157,915)

  -role of user governed by access control lists of role players

- Pinard (US 2001/0043696)

  -associating predetermined roles with groups

Conclusion

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Chanda L. Harris whose telephone number is 571-272-

4448. The examiner can normally be reached on M-F 6:30am-4:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jessica Harrison can be reached on 571-272-4449. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Chanda L. Harris
Primary Examiner
Art Unit 3714